54	Supplying fixing and wireing rotary sector switch suitable for ammeter complete as per specfication & as per direction of Engineer-in-charge	Each	–	–	15	430.00	6450=00	15	6450=00	
55	Supplying fixing and wiring rotary sector switch suitable for voltmeter complete as per specfication & as per direction of Engineer-in-charge	Each	–	–	15	245.00	3675=00	15	3675=00	
56	Supplying and fixing for LED type panel board indicating lamp with 220 V AC 50 Hz 12/24v DC a) group A) complete as per specfication & as per direction of Engineer-in-charge	Each	–	–	25	430.00	10750=00	25	10750=00	
57	Supplying and fixing of 4 pole power contractor complete as per specfication & as per direction of Engineer-in-charge	Each	–	–	30	925.00	27750=00	30	27750=00	
58	Providing and fixing in position 50mm nominal bore non-return valve horizontal type of approved make including cost of all materials labour and HOM of equipments with all leads complete as per specfication & as per direction of Engineer-in-charge	No	–	–	30	1051.00	31530=00	30	31530=00	
59	Supplying and fixing 50mm GL union complete as per specfication & as per direction of Engineer-in-charge	No	–	–	50	223.70	11185=00	50	11185=00	
60	Supplying and fixing 50mm GL Elbow complete as per specfication & as per direction of Engineer-in-charge	No	–	–	100	111.80	11180=00	100	11180=00	
61	Supplying and fixing 50mm GL Nipple complete as per specfication & as per direction of Engineer-in-charge	No	–	–	100	104.30	10430=00	100	10430=00	
62	Supplying and fixing 50mm GL Collars complete as per specfication & as per direction of Engineer-in-charge	No	–	–	150	125.00	18750=00	150	18750=00	
63	Supplying and fixing 50mm GI pepes C class heavy duty for erection of submersible pump set complete as per specfication & as per direction of Engineer-in-charge	Mtrs	–	–	305	402.75	122838=75	305	122838=75	
64	Supplying and fixing gun metal gate valve 50mm nominal bore complete as per specfication & as per direction of Engineer-in-charge	No	–	–	15	1600.00	24000=00	15	24000=00	
65	Cleaning of borewells including yield testing of borewell either using slow or fast rng for more than 2 hours at the final depth with a minimum working of 2 hours continuously with air compressor or suitable pump as per specification. Including the cost of transportation charges crew charges, cost of consumbles etc., complete	Each	–	–	6	10450.00	62700=00	6	62700=00	
66	Logging/ scanning of borewells at any continously with the help of logger unit using including the cost of transportaion charges crew charges. Stationary charges and cost of consumables etc.,	Each	–	–	6	1320.00	7980=00	6	7980=00	
67	Yield testing of borewell at final depth with a minimum of 10 hours continously with the help of pump testing unit including the cost of transportation charges crew charges and cost of consumables	Each	–	–	6	7150.00	42900=00	6	42900=00	
68	Fishing of power from the borewell including cost of labour materials with all lead and lift etc., complete	Each	–	–	2	4620.00	9240=00	2	9240=00	
69	Old GI pipe threading and transportation charges Rs. 27 per Mtr- 6.00 Mtrs X 27	Each	–	–	200	162.00	32400=00	200	32400=00	
	GRAND TOTAL						3286516=75		3286516=75	

3226617=00 — 3226617=00

CERTIFICATE:

1 Work done is satisfactory

2 There are no departmental issuesmade to the contractor

3 The contractor has cleared all debrice from work spot

AEN-IV

Executive Engineer
Water Resources, Building Circle
Water Works Compound Road
Opp. to. DC, Aizawl, Mizoram

AEE/SSD/SBR/24/12/05/2017

1ST & Part Bill

No.

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

Date :

Division

Sub-Division

Bill Received No. 96 Dated 2/6/17

Cash Book Voucher No. ..... Dated .....

Scheduled Doctet No. .....

Head of Account .....

Name of work (as per sanctioned estimate) **Maintenance of Borewell at ward No.12 Shettyhalli Sub Division**

Sri Prakash S

Name of Contractor and Full Address

Reference to Agreement No. **EE/DD/WO/43/17-18** Date: **26.04.2017**

Certified that the measurements were taken by me on 12/5/2017 and recorded in pages 564803-564825 of measurements Book No. 5649/16-17 and that the work is satisfactorily executed.

Contractor

Officer - in - charge of work

Certified that the measurements were checked by me on 12/5/2017 and found correct. The work is satisfactorily executed. Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub - Division Officer

If Memorandum of Payment

Job Code : 012-17-000017

		AMOUNT
1.	Total value of work done or supplies made as per account.	
2.	Deduct amount to be held in reserve being ..... percent Rs.	
3.	- do - Balance	1st and part Bill Amount → 322641=00
4.	Deduct Payments :	
	a) Amount of previous payment as in the Office Cash Book Voucher No..... Dated ..... S.D. No.	IL → 32264=00
	Amount adjusted towards cash advance recovery of	VAT → 129057=00
	b) Payments cost store or other materials supplied.	LWC → 32264=00
	Balance being unpaid value of work done held in reserve	Total -- 196811=00
6.	Deduct cash advance made on the office Cash Book Vehicle No.	CBF → 3226=00
	dated ..... less adjustments	
7.	Net amount due to or from contractor	Net Amount → 3029606=00
	Unadjusted items	
8.	Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied.	
		Total amount adjusted --

Contractor Signature

Received Rs. ..... (in words)

..... by cash and by adjustment of

Payment as per memorandum.

(For use in the Office)

Witnes sre : (In final settlement of all demand)

1.

2.

Stamp

Signature of Contractor

Date

Paid by me by cheque No..... Dated .....

Cash Rs. ..... Dated .....

Initials of Officer making payment dated .....

Audited and admitted ... Rs. 3226417-00

Passed by ... Rs. 3029606=00

(.....

by ... 196811=00

Accounts Superintendent ... Executive Engineer

... M.P. Dasarahalli Division

Items of work (grouped under sub-heads the sub works of the estimate)	Unit	Previous Measurement		Present Measurement			Total Up-to-date		Remarks
		Qty	Cost	Qty	Rate Rs. Ps	Cost	Qty	Cost	
1 Repairs to Motor: Rewinding of submersible pumpsets with copper insulation wire of suitable guage as per ISI specification with guarantee of 6 months Above 5.00H.P upto 10.00 H.P add Rs. 192.50/every .5HP, Above 10.00 H.P up to 20.00hp add 175 per every .5HP complete as per specification & as per direction of Engineer-in-charge 7.50 HP	No	–	–	10	3822.50	38225.00	10	38225.00	
2 10.00HP	No	–	–	60	4785.00	287100.00	60	287100.00	
3 12.50 HP	No	–	–	–	5885.00	–	–	–	
4 15.0 HP	No	–	–	–	6985.00	–	–	–	
5 Replacement of pump parts the following main components of submersible pumpsets requiring replacement complete as per specification & as per direction of Engineer-in-charge Pimp Bowls	No	–	–	680	308.00	209440.00	680	209440.00	
6 Intermediate piece (I.P) with leaded bronze bush complete as per specfication & as per direction of Engineer-in-charge	No	–	–	54	715.00	38610.00	54	38610.00	
7 Oil seal complete as per specfication & as per direction of Engineer-in-charge	No	–	–	120	121.00	14520.00	120	14520.00	
8 Oil seal steel bush complete as per specfication & as per direction of Engineer-in-charge	No	–	–	54	132.00	7128.00	54	7128.00	
9 Guide vane complete as per specfication & as per direction of Engineer-in-charge	No	–	–	720	192.50	138600.00	720	138600.00	
10 Impeller (shell moulded with aluminium and bronze) complete as per specfication & as per direction of Engineer-in-charge	No	–	–	720	264.00	190080.00	720	190080.00	
11 Discharge outlet (D.O.) bearing D.O. steel bush complete as per specfication & as per direction of Engineer-in-charge	No	–	–	54	522.50	28215.00	54	28215.00	
12 D.O bearing complete as per specfication & as per direction of Engineer-in-charge	No	–	–	140	93.50	13090.00	140	13090.00	
13 Steel bearing bush (D.O.Steel Bush) complete as per specfication & as per direction of Engineer-in-charge	No	–	–	140	176.00	24640.00	140	24640.00	
14 Allen screw complete as per specfication & as per direction of Engineer-in-charge	No	–	–	130	77.00	10010.00	130	10010.00	
15 Pump shaft made out of stainless steel center less ground with key way (upto 8 stages) + R. 40/- Extra 20 stages complete as per specfication & as per direction of Engineer-in-charge	No	–	–	43	660.00	28380.00	43	28380.00	
16 Pump Key complete as per specfication & as per direction of Engineer-in-charge	No	–	–	54	121.00	6534.00	54	6534.00	
17 Pump couping (stainless steel) complete as per specfication & as per direction of Engineer-in-charge	No	–	–	54	341.00	18414.00	54	18414.00	
18 Non return valve (NRV) assembly complete. Rubber 'O' ring complete as per specfication & as per direction of Engineer-in-charge	Each	–	–	54	572.00	30888.00	54	30888.00	
19 Cable guard complete as per specfication & as per direction of Engineer-in-charge	Each	–	–	140	165.00	23100.00	140	23100.00	
20 Strainer complete as per specfication & as per direction of Engineer-in-charge	Each	–	–	50	192.50	9625.00	50	9625.00	
21 Brass filter complete as per specfication & as per direction of Engineer-in-charge	Each	–	–	50	121.00	6050.00	50	6050.00	
22 Labour charges (over hauling only) Per Job complete as per specfication & as per direction of Engineer-in-charge	Each	–	–	54	550.00	29700.00	54	29700.00	
23 Above 4 HP below 5 HP startor (with one year gurantee)	Each	–	–	14	5940.00	83160.00	14	83160.00	
24 Above 4 HP below 5 HP Rotor (with one year gurantee)	Each	–	–	14	4400.00	61600.00	14	61600.00	
25 Upper flange complete as per specfication & as per direction of Engineer-in-charge	Each	–	–	54	330.00	17820.00	54	17820.00	
26 Lower housing complete as per specfication & as per direction of Engineer-in-charge	Each	–	–	54	539.00	29106.00	54	29106.00	
27 Lower flange complete as per specfication & as per direction of Engineer-in-charge	Each	–	–	54	407.00	21978.00	54	21978.00	
28 Lock ring complete as per specfication & as per direction of Engineer-in-charge	Each	–	–	54	88.00	4752.00	54	4752.00	
29 Carbon housing complete as per specfication & as per direction of Engineer-in-charge	Each	–	–	54	407.00	21978.00	54	21978.00	
30 Thrust bearing block assembly with segment bearing pad complete as per specfication & as per direction of Engineer-in-charge	Each	–	–	54	550.00	29700.00	54	29700.00	
31 Tip carbon complete as per specfication & as per direction of Engineer-in-charge	Each	–	–	54	1760.00	95040.00	54	95040.00	
32 Studs and nuts complete as per specfication & as per direction of Engineer-in-charge	Each	–	–	140	88.00	12320.00	140	12320.00	
33 Bearing (gunmetal) centrifugal Cast aluminium bronze, bearing bush complete as per specfication & as per direction of Engineer-in-charge	Each	–	–	140	407.00	56980.00	140	56980.00	

1ST & Part Bill

No.

Division

Bill Received No. Dated

Scheduled Docket No.

Name of work (as per sanctioned estima

Name of Contractor and Full Address

Reference to Agreement No.

Certified that the measurements were of measurements Book No.

Contractor

Certified that the measurements
Certified that the quantities of ma
previously received any advance
connection with items for finished

If Memorandum of Payn

1. Total value of work done
2. Deduct amount to be he
3. Up to Bi
4. Deduct Payments
   a) Amount of previous
   No.
   Amount adjusted
   b) Payments cost st
5. Balance being unpa
6. Deduct cash advan
   dated
7. Net amount due to
   Unadjusted items
8. Advance to contra
   Government mate

Received Rs.

Payment as per mem

Witnes s/o (In final

1.

2.

Date

Paid by me by ch

34	Circlips complete as per specfication & as per direction of Engineer-in-charge	Each	-	-	54	49.50	2673=00	54	2673=00	
35	Motor base with pin complete as per specfication & as per direction of Engineer-in-charge	Each	-	-	54	407.00	21978=00	54	21978=00	
36	Transportion of pumping Machineries complete as per specfication & as per direction of Engineer-in-charge	Each	-	-	54	605.00	32670=00	54	32670=00	
37	Re-erection charges of pumping machineries including overhauling and painting	Each	-	-	54	1100.00	59400=00	54	59400=00	
38	Lifting of submersible pump set	Each	-	-	54	770.00	41580=00	54	41580=00	
39	Labour charges (Over hauling only)	Each	-	-	54	550.00	29700=00	54	29700=00	
40	Supply and drawing 3 core flabr PVD sheathed submersible pump cable manufacture with electrolytic grade copper with flexible copper conductor confirming to calbe 3 class 5 of IS 8130 - 1984 and altes amendments of IS 694 / 1990 and virgin grade PVC insulation and sheathed suitable for working volgrage upto 1100 volts complete as per specfication & as per direction of Engineer-in-charge	Rmt	-	-	2338	159.50	372911=00	2338	372911=00	
41	Fabricating supplying and mounting MS box made out 14 SWG suitable for floor/ wall mounting fully weather proof with provision for better hear dissipation provided with hinged front cover equipped with tamper proof locking arrangementw with suitable size clamps with necessary calbe entry pipw with gland box should be finished with 2 coats of red oxide primer paint and finally finished with approved color enameled metal paint etc.,complete as per specfication & as per direction of Engineer-in-charge	Sqm	-	-	349300	0.33	121948=00	349300	121948=00	121869=00
42	Supplying and fixing angle iron frame work fabricated out of MS angle iron and MS flat bolts. washers etc and painted with 2 coats of red oxide and then two coats of approved paint 40X40X6mm 4X50 Nos	No	-	-	30	231.00	6930=00	30	6930=00	
43	Supplying and fixing polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapers incerted wooden plugs screws etc F) 20" X20"X2.5" complete as per specfication & as per direction of Engineer-in-charge	Each	-	-	30	285.00	8550=00	30	8550=00	
44	Supplying and fixing miniature circuit breaker on existing MCB distribution board using necessary fixing materials and wiring complete as per required 40 to 63 amps	No	-	-	30	1897.50	56925=00	30	56925=00	
45	Supplying and fixing one of the fuse cutouts having porcelain base approved quality on the existing wooden block and wiring complete	No	-	-	120	231.00	27720=00	120	27720=00	
46	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150mm dia borewels compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (wet type) squirrel cage submercible induction motor suitable for operation of 3Ph, 50Hz., 380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 12.5. HP 25 stage complete as per specfication & as per direction of Engineer-in-charge	No	-	-	5	63400.00	317000=00	5	317000=00	
47	Supplying of LTUG cable having aluminium conductor PVC insulated sheathed galvanized steel wire/ steel tape armored calbe with PVC outer sheathing 1.1 KV class conforming IS 1554-PVC cable.	Rmt	-	-	155	165.00	25575=00	155	25575=00	
48	Digging of trench of 0.6m deep X 0.50 wide refilling the trence to the required ground level and consolidating etc complete. In ordinary soil complete as per specfication & as per direction of Engineer-in-charge	Cum	-	-	76	55.00	4180=00	76	4180=00	
49	Labour charges for laying 1.1 KV class UG cable when supplied departmentally/agency in existing trench GI pipe/stoneware pipe/on wall/on pole as required.	Rmt	-	-	155	5.50	852=00	155	852=00	
50	Supplying fully automatic star - delta starter unit push button type with suitable wires 3 contractor, one adjustable thermal timer mounted on a common base plate heeld in steel enclosure for use on 400/400 volts 3 phase and wired after fixing to the existing wooden board for motor. complete as per specfication & as per direction of Engineer-in-charge	Each	-	-	6	6583.00	39498=00	6	39498=00	
51	Supplying and fixing single phase preventer complete as per specfication & as per direction of Engineer-in-charge	Each	-	-	30	735.00	22050=00	30	22050=00	
52	Supplying fixing and wireing 0 to 600 volts 96 X 96mm AC Voltmeter complete as per specfication & as per direction of Engineer-in-charge	Each	-	-	15	430.00	6450=00	15	6450=00	
53	Supplying fixing and wireing 0 to 100 amps direct reading AC analog ammeter complete as per specfication & as per direction of Engineer-in-charge	Each	-	-	15	495.00	7425=00	15	7425=00	